

**DESCRIPTION:** Customization of Statistics

You are to peruse a database and select one for use in projects this term.

Rohrbach gives us access to a substantial number of databases here: <https://library.kutztown.edu/az.php>. The government has lots of them as well: <https://www.usa.gov/statistics#item-37157>. One of my favorites is: <https://aa.usno.navy.mil/data/index>.

This term, we are going to design and implement projects that provide alternative and updated data displays from those available on the websites you find. Decide upon at least six queries that can be made in your chosen dataset; no more than two may already be available on its page. The three assignments will first parse data from the website, then create a working front end that accesses the government data using server-side tools (a servlet) and access to an Oracle database, and then incorporating Java Server Pages, Oracle database access, Javascript, Ajax, and possibly JQuery.

An example will be provided when Project 1 is assigned demonstrating how to construct the query string and obtain the response. This means that the dataset you find should make queries using the **get** method, where the query string is appended to the URL. This is not required; if you can access data otherwise algorithmically, feel free to do so.

Post your choice in the class forum. You may not use a category/dataset already posted by someone else. Be sure that there are adequate queries available and that they are performed with a query string in the URL or are otherwise accessible. In particular, it is required that the data can be queried over large sets, e.g. sun and moon data is found on one particular day over the course of 200 or so years.

The USNO page may NOT be claimed. It's mine. 🤖